

09/868987

Bucket No. 032931-0253

JC18 Rec'd PCT/PTO 22 JUN 2001

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrew D. MURDIN, et al.  
Title: CHLAMYDIA ANTIGENS AND CORRESPONDING DNA  
FRAGMENTS AND USES THEREOF  
Application No.: To be assigned (US entry of PCT/CA99/01230)  
Filing Date: December 23, 1999  
Examiner: Unassigned  
Art Unit: Unassigned

#7/a  
26/02PRELIMINARY AMENDMENT

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with 37 CFR §1.121, please cancel claims 40-78 in their entirety without prejudice or disclaimer and substitute for claims 1-39 in the Annex to the IPER the following rewritten versions of the same claims, as amended. The changes to claims 1-39 are shown explicitly in the attached "marked up claims".

IN THE CLAIMS:

1. (Amended) A nucleic acid molecule comprising a nucleic acid sequence which encodes a polypeptide selected from any one of:

- Sub B2
- (a) SEQ ID Nos: 15 to 26;
  - (b) an immunogenic fragment comprising at least 12 consecutive amino acids from a polypeptide of (a); and
  - (c) a polypeptide of (a) or (b) which has been modified without loss of immunogenicity, wherein said modified polypeptide is at least 75% identical in amino acid sequence to the corresponding polypeptide of (a) or (b).

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